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Reg. No: ☐☐☐☐☐☐☐☐☐☐·

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA I Year II Semester Supplementary Examinations May-2022
SOFTWARE ENGINEERING

Time: 3 hours   Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	**a)** Explain the levels in CMMI Model.	L2	6M
	b) Explain software engineering practices and principles	L5	6M

OR

2	**a)** What is Prescriptive Process Model and explain it clearly?	L1	6M
	b) Analyze Personal and Team process model.	L4	6M

UNIT-II

3	Define requirements engineering and explain about ground work analysis.	L3	12M

OR

4	**a)** List out the steps of project estimation.	L4	6M
	b) Explain empirical estimation models.	L5	6M

UNIT-III

5	Discuss about Component level design for web and mobile apps and discuss briefly about component based-development.	L6	12M

OR

6	Explain the steps involved in Mobile app Design.	L2	12M

UNIT-IV

7	Explain the following: **a)** Validation testing **b)** SystemTesting **c)** The Art of Debugging.	L3	12M

OR

8	Identify the role of Security Engineering and risk analysis and discuss Security assurance.	L3	12M

UNIT-V

9	Define and explain Size oriented metrics, Function oriented metrics.	L1	12M

OR

10	**a)** Define and explain Software Reengineering.	L1	6M
	b) Identify the importance of software reengineering process model.	L3	6M

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